

REFRIGERATORS and FREEZERS

for
LABORATORY



ARGO
LAB

ARGO

FREDDO

ARGO FREDDO

ARGO FREDDO is the latest project in the ArgoLab family.

Professional refrigerators and freezers for laboratory use, with electronically controlled digital display, temperature alarms, open door and manual and automatic defrosting (FR series).

Flexible and easy-to-use refrigerated instruments, **the internal parameters can be adjusted according to even the most restrictive requirements.**

Highly efficient compressors utilize environmentally friendly refrigerants with low global warming potential (GWP), free of CFCs and HCFCs, in compliance with European environmental regulations, such as the **F-Gas Regulation (EU) 517/2014.**

The internal dynamic ventilation system ensures the best conditions for storing even the most sensitive materials, in accordance **with regulation EN 60068-3-5.**



100 litres + 200 litres



FEATURES

RESOLUTION 0,1 °C	DEFROST	PLASTIFIED STEEL SHELVES
MIN-MAX ALARM	DOOR ALARM	REMOTE ALARM CONTACT
HOMOGENEITY EN 60068-3	KEY LOCK	LED LIGHTS
VENTILATION (FR series)	WHEELS (MODELS 260 L)	REVERSIBLE DOOR
ECO FRIENDLY GAS	THROUGH-HOLE 10 mm	

FRZ 300 Combined refrigerator-freezer

Reliable and versatile, designed for maximum control when storing sensitive materials.

300 litre capacity offers ample space and storage flexibility for different laboratory needs.

It is equipped with a **10 mm through-hole in both chambers** for the insertion of external sensors.

refrigerators

FR

litres

110 | 260

temperature range

+2,0 — +8,0 °C

freezers

FZ

litres

110 | 260 | 300

temperature range

-25,0 — -10,0 °C

Combined refrigerator-freezer

FRZ

litres

300

temperature range

**-25,0 — -10,0 °C
+2,0 — +8,0 °C**



litres **300**

FZ 300 P chest freezer.

300-litre capacity, designed for the safe storage of sensitive samples.

Equipped with a digital display with **precision electronic control** and three levels of alarms: audible, visual and remote with potential-free contact for monitoring.

Includes **drain valve, safety lock, 10 mm through-hole** and **two** durable and easy-to-clean plastic-coated **steel drawers**.

The **swivel** and **lockable wheels** ensure practical handling even in confined spaces.



G MODELS - GLASS DOOR

G models are supplied with a **glass door**, very useful feature when it is necessary to keep **visual control of the samples inside**.

CONTROLLER

microprocessor and controller with **simple and intuitive interface**; tenth of degree resolution for accurate control using NTC-type probes.

Units of measurement: °C or °F



TECHNICAL DATA SHEET



FR 110 FR 110 G FR 260 FR 260 G FZ 110 FZ 260 FRZ 300 FRZ 300G FZ 300-P

Usable volume [Litres]		110		260		110	260	300 (200 FR + 100 FZ)		285
Temperature range / Resolution		+2,0 ... +8,0 °C / 0,1 °C				-25,0 ... -10,0 °C / 0,1 °C		Fr: +2.0 ... +8.0 °C; FZ: -25.0 ... -10.0 °C		-25.0 ... -10.0 °C
Defrosting function		Automatic and manual				Manual		Manual (FZ) Automatic (FR)		Manual
*	Temperature variation in space	1,3 °C (at 5°C)	1,7 °C (at 5°C)	1,9 °C (at 5°C)	2,2 °C (at 5°C)	2,5 °C (at -20°C)	2,1 °C (at -20°C)	1,0 °C (at 5°C)	1,2 °C (at 5°C)	±1.0°C (at -20°C)
								1,0 °C (at 20°C)	1,0 °C (at 20°C)	
*	Gradient	1,3 °C (at 5°C)	1,7 °C (at 5°C)	1,9 °C (at 5°C)	2,6 °C (at 5°C)	2,5 °C (at -20°C)	2,1 °C (at -20°C)	1,0 °C (at 5°C)	1,3 °C (at 5°C)	±1.0°C (at -20°C)
								1,8 °C (at 20°C)	1,8 °C (at 20°C)	
**	Recovery time	12 min (at 5°C)	9 min (at 5°C)	18 min (at 5°C)	18 min (at 5°C)	22 min (at -20°C)	30 min (at -20°C)	19 min (FR) - 26 min (FZ)		30 min
Refrigeration		Dynamics (forced convection)				Statics (natural convection)		FR: Dynamics - FZ: Statics (forced convection) (natural convection)		Statics (natural convection)
Controller / display		microprocessor / digital								
Power supply		220 - 240 V								
Internal dimensions (L x W x H) mm		500 x 420 x 570		500 x 450 x 1290		500 x 420 x 570	500 x 450 x 1290	FR: 510 x 490 x 730 FZ: 450 x 460 x 440		1080 x 480 x 590
External dimensions (L x W x H) mm		600 x 560 x 805		600 x 560 x 1525		600 x 560 x 805	600 x 560 x 1525	600 x 610 x1770		1280 x 770 x 890
Weight		50 Kg		75 Kg		50 Kg	75 Kg	75 Kg		69 Kg
Number of shelves (supplied / max.)		3 / 3		6 / 7		3 / 3	6 / 7	FR: 3/ 5 FZ: 2/ 3		2
Minimum distance between shelves		13 mm						13 mm		Not applicable
Maximum shelf load		15 Kg						15 Kg		15 Kg
Door	Blind	Glass	Blind	Glass	Blind		Blind	Blind + Glass		Blind
Light		LED								
Hole diameter for probe passage		10 mm								
Power		120 W		160 W		150 W	190 W	340 W		300 W
P/N	41500012	41500022	41500032	41500042	41500212	41500232	41500102	41500112	41500302	

* In accordance with regulation EN 60068-3

** In accordance with technical directive DIN 12880